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STAAS & HALSEY LLP
SUITE 700
1201 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER	
RODRIGUEZ, LENNIN R	
ART UNIT	**PAPER NUMBER**
2609	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/625,514	SONG, BONG-SEOG	
	Examiner	Art Unit	
	Lennin R. Rodriguez	2609	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *24 July 2003*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-28* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-28* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *24 July 2003* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *See Continuation Sheet*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

Continuation of Attachment(s) 3). Information Disclosure Statement(s) (PTO/SB/08), Paper No(s)/Mail Date :2/18/2004 and 10/19/2004 and 4/28/2005.

DETAILED ACTION

All the foreign citations were made from the provided translations.

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description:

(1) 436 in Fig. 4A.

Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the examiner does not accept the changes, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

2. The disclosure is objected to because of the following informalities:

(1) paragraph [0031], line 19, "are displayed on" should be – are displayed **(436)** on --.

Appropriate correction is required.

Claim Objections

3. Claim 27 is objected to because of the following informalities:

(1) line 3, "**selectably**" should be – **selectively** --.

Appropriate correction is required.

Claim Rejections - 35 USC § 101

4. 35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

5. Claims 19-20 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. A "computer readable recording medium" is being recited; however a "computer readable recording medium" as presented in the claims and discussed in the specifications is directed to a signal per se (paragraph [0040], lines 7-8). This subject matter is not limited to that which falls within a statutory category of invention because it is limited to a process, machine, manufacture, or a composition of matter. A signal is a form of energy and a form of energy is non-statutory subject matter.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 1-6, 11, 13-14, 19-21 and 27-28 are rejected under 35 U.S.C. 102(b) as being anticipated by Goertz Werner (DE 10114950, all citations are being made in reference of the provided translation).

(1) regarding claims 1 and 19:

Werner discloses a method of managing short messages in a facsimile machine or a multifunctional device having a short message service, the method comprising:

setting up a call to a short message service (SMS) center (page 2, lines 12-18, where the fax is in communication with the short message service center and is capable of placing a call as well know in the art);

receiving the SMS short messages from the short message service center, via a modem (page 2, lines 23-25, where the short message is transmitted to the fax); and

printing the received SMS short messages (page 2, lines 26-29, where the short message can be print out).

(2) regarding claim 2:

Werner further discloses displaying the received SMS short messages on an operation panel before the printing (page 2, lines 26-29, where the short message can be displayed).

(3) regarding claim 3:

Werner further discloses storing the received SMS short messages in a predetermined memory region according to a user selection or automatically before the printing (page 2, lines 35-37, where the SMS are being stored in a memory).

(4) regarding claim 4:

Werner further discloses storing the displayed SMS short messages in a predetermined memory region according to a user selection or automatically before the printing (page 2, lines 35-37, where the SMS are being stored in a memory).

(5) regarding claims 5 and 6:

Werner further discloses storing the printed SMS short messages in a predetermined memory region according to a user selection or automatically after the printing (page 2, lines 35-37, where the SMS are being stored in a memory).

(6) regarding claims 11 and 14:

Werner further discloses determining whether to print the stored SMS short messages (page 2, lines 35-37, where the SMS are being stored in a memory if a command is received from an input device); and

if determined to print the stored SMS short messages, printing the stored SMS short messages (page 2, lines 35-37, where the SMS are being printed in a sheet).

(7) regarding claims 13 and 20:

Werner further discloses a method of managing short messages in a facsimile machine or a multifunctional device having a short message service, the method comprising:

setting up a call to a short message service (SMS) center (page 2, lines 12-18, where the fax is in communication with the short message service center and is capable of placing a call as well know in the art);

receiving the SMS short messages from the short message service center, via a modem (page 2, lines 23-25, where the short message is transmitted to the fax);

displaying the received SMS short messages on an operation panel (page 2, lines 23-25, where the short message can be displayed);

storing the received SMS short messages in a predetermined memory region (page 2, lines 35-37, where the SMS are being stored in a memory); and

printing the stored SMS short messages (page 2, lines 26-29, where the short message can be print out).

(8) regarding claim 21:

Werner further discloses a short message service (SMS) printing apparatus, comprising a programmed computer processor (having a processor in a fax is very common in the art as could be seen in KR 10-0218517 by Dong-Myeong Shin where it discloses a fax machine with a CPU which is a processor) setting up a call to the SMS (page 2, lines 12-18, where the fax is in communication with the short message service center and is capable of placing a call as well know in the art), receiving short messages from the SMS (page 2, lines 23-25, where the short message is transmitted to the fax), and printing the received SMS short messages (page 2, lines 26-29, where the short message can be print out).

(9) regarding claim 27:

Werner further discloses a printing device having a short message service (SMS) function, comprising: a programmed computer processor setting up a call to an SMS center (page 2, lines 12-18, where the fax is in communication with the short message service center and is capable of placing a call as well know in the art), receiving and storing SMS short messages from the SMS center (page 2, lines 35-37, where the SMS are being stored in a memory), selectably providing the received SMS short messages, and printing the SMS messages according to a selection (page 2, lines 26-29, where the short message can be provided and print out) to allow managing the received SMS short messages in a document format (page 2, lines 64-66, where the received short message is changed into a format that can be either printed or displayed as a document).

(10) regarding claim 28:

Werner further discloses a method, comprising:

managing received short message service (SMS) short messages in a document format by selectively printing the received SMS messages (page 2, lines 64-66, where the received short message is changed into a format that can be either printed or displayed as a document).

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

9. Claims 7-10, 12, 15-18 and 22-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Goertz Werner (DE 10114950) in view of Metso et al. (US Patent 5,920,826).

(1) regarding claims 7-10 and 16-18:

Werner discloses all the subject matter as described above except deleting the printed SMS short messages according to a user selection.

However, Metso et al. teach deleting the printed SMS short messages according to a user selection (column 10, lines 39-41, the user has the option to delete the messages).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention was made to deleting the printed SMS short messages according to a user selection as taught by Metso et al., in the system of Werner. With this memory space can be saved for future receptions, thus making the system dynamically efficient and thus making it cost efficient.

(2) regarding claims 12 and 15:

Werner discloses all the subject matter as described above except determining whether to print the stored SMS short messages;

if determined to print the stored SMS short messages, displaying a list of the stored SMS Short messages; and

printing the stored SMS short messages selected by a user from the displayed list of the SMS short messages.

However, Metso et al. teach determining whether to print the stored SMS short messages (column 10, lines 37-46, where it is determined whether to print or not by the display device);

if determined to print the stored SMS short messages, displaying a list of the stored SMS Short messages (column 10, lines 37-46, where it is being displayed all the short messages in a display); and

printing the stored SMS short messages selected by a user from the displayed list of the SMS short messages (column 10, lines 30-33).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention was made to determined whether to print or not a short message and displaying it as taught by Metso et al., in the system of Werner. With this it allows the user to make selections and to take decisions as to whether or not to print something, thus adding user-friendly functionality and improving the performance of the system.

(3) regarding claim 22:

Werner further discloses the programmed computer processor (having a processor in a fax is very common in the art as could be seen in KR 10-0218517 by Dong-Myeong Shin where it discloses a fax machine with a CPU which is a processor) provides the received SMS short messages (page 2, lines 12-18, where the fax is in communication with the short message service center and is capable of placing a call as well know in the art), and allows selective storage (page 2, lines 35-37, where the SMS are being stored in a memory), print (page 2, lines 26-29, where the short message can be print out).

Werner discloses all the subject matter as described above except deletion of the received SMS short messages via input commands.

However, Metso et al. teach deletion of the received SMS short messages via input commands (column 10, lines 39-41, the user has the option to delete the messages).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention was made to deletion of the received SMS short messages via input commands as taught by Metso et al., in the system of Werner. With this memory space can be saved for future receptions, thus making the system dynamically efficient and thus making it cost efficient.

(4) regarding claim 23:

Werner further discloses a short message service (SMS) printing apparatus, comprising:

an SMS interface receiving short messages from the SMS (page 2, lines 23-25, where the short message is transmitted to the fax); and

a printer automatically printing the received SMS short messages (page 2, lines 26-29, where the short message can be print out).

(5) regarding claim 24:

Werner further discloses a display unit displaying the received SMS short messages (page 2, lines 26-29, where the short message can be displayed on the display unit).

Werner discloses all the subject matter as described above except an input unit receiving a user selection to print a displayed SMS short message by the printer.

However, Metso et al. teach an input unit receiving a user selection to print a displayed SMS short message by the printer (column 10, lines 30-33, where the printing is done when the user makes a selection).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention was made an input unit receiving a user selection to print a displayed SMS short message by the printer as taught by Metso et al., in the system of Werner. With this it allows the user to make selections and to take decisions as to whether or not to print something, thus adding user-friendly functionality and improving the performance of the system.

(6) regarding claim 25:

Werner discloses all the subject matter as described above except wherein the display unit displays the SMS short messages in an ascending or a descending order, and the input unit sequentially receives the User selection to print the displayed SMS short messages.

However, Metso et al. teach wherein the display unit displays the SMS short messages in an ascending or a descending order (column 3, lines 33-35, where alphabetically is being interpreted as descending order), and the input unit sequentially receives the User selection to print the displayed SMS short messages (column 10, lines 30-33, where the printing is done when the user makes a selection).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention was made an input unit receiving a user selection to print a displayed SMS short message by the printer as taught by Metso et al., in the system of Werner. With this it allows the user to make selections and to take decisions and it simplifies the way the messages are being displayed as to whether or not to print something, thus adding user-friendly functionality and improving the performance of the system.

(7) regarding claim 26:

Werner further discloses a storage storing the received SMS short messages (page 2, lines 35-37, where the SMS are being stored in a memory).

Werner discloses all the subject matter as described above except wherein the input unit receives another user selection to delete the printed SMS short message from the storage.

However, Metso et al. teach wherein the input unit receives another user selection to delete the printed SMS short message from the storage (column 10, lines 39-41, the user has the option to delete the messages).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention was made to deleting the printed SMS short messages according to a user selection as taught by Metso et al., in the system of Werner. With this memory space can be saved for future receptions, thus making the system dynamically efficient and thus making it cost efficient.

Conclusion

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lennin R. Rodriguez whose telephone number is (571) 270-1678. The examiner can normally be reached on Monday - Friday 7:30am - 5:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shuwang Liu can be reached on (571) 272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Lennin Rodriguez
5/11/07

SHUWANG LIU
SUPERVISORY PATENT EXAMINER